MIT's Oldest and Largest Newspaper

thetech.com

The Tech
Established 1881

Volume 136, Number 33

Thursday, November 17, 2016

WEATHER, p. 11

THU: 58°F | 43°F
Mostly sunny

FRI: 57°F | 44°F
Sunny

SAT: 55°F | 45°F
Sunny

Eastgate residents divided over harm of new transformer

Concerns over the MIT Housing decision recall many long-running communication issues, grads say

By Olivia Brode-Roger
STAFF REPORTER

Residents of Eastgate were frustrated to learn earlier this month that MIT Housing had decided to install a transformer in their courtyard over IAP as part of the Kendall Square renovation project. To compensate, the courtyard will be remodeled to make up for lost space.

Eastgate residents held a meeting to discuss the issue Monday Nov 7.

Alison Crowley represented MITIMCo and provided more details about the existing plans. The transformer will be placed 60ft away from residences; the safety code only requires 10ft. In addition, the transformer will be surrounded by an 8ft wall both for safety and for the best quality soundproofing possible, Crowley said.

However, these additional measures did not entirely satisfy some residents. Marzyeh Ghassemi, a PhD candidate at CSAIL protested, "You can't put it in the building because it needs a 3 hour fireproof vault but you can put it in our courtyard ... and our kids can be out there? Do you think that that is a reasonable decision?"

Ghassemi previously emailed the dorm's discussion list encouraging residents to reach out to *The Tech* to air their grievances, to email Chancellor Barnhart and to sign a petition addressed to the Chancellor and President Reif protesting the installation.

Not all residents shared Ghassemi's safety concerns. "It is safer to stand next to that transformer than it is to stand on the sidewalk, next to traffic," claimed an attendee. "That's just statistics."

Eastgate, Page 10

ANSELMO CASSIANO—THE TECH

Alan Davidson '89, the first Director of Digital Economy in the U.S. Department of Commerce, with Giulio Capolino, chair of the UA Alumni Affairs Committee, spoke to students in 4-237 as part of the Alumni Speaker Series.

IN SHORT

The MIT SHASS Dean's Office is hosting Unity Through Voice and Song, an event taking place today in Lobby 10, at 7 p.m.

MIT faculty will speak at a panel, Climate Change: Ethics in Action, today in Walker Memorial from 5:15 to 8:30 p.m.

Former Governor Deval Patrick will speak at an event in 10-250 on Monday, Nov. 21.

Drop date is Wednesday, Nov. 23.

There is no class on Thursday, Nov. 24 and Friday, Nov. 25.

Send news and tips to *news@tech.mit.edu*.

Analysis for class detects arsenic in juice

Bon Appetit, MIT Dining removed product after student reported findings

By Melody Tan
STAFF REPORTER

MIT's dining services provider Bon Appetit swiftly responded this week to a student's finding that arsenic levels in dining hall apple juice potentially exceed regulations by the Environmental Protection Agency.

Bon Appetit is looking into the finding despite its preliminary nature and that it was based off of just a single sample the student examined for a class.

Francesca Majluf '17 sent an email to all undergraduate dorms Monday, Nov. 14, reporting that a sample of apple juice from Maseeh Dining Hall had 10.6 parts per billion arsenic, 0.6 ppb more than the level the EPA allows in drinking water.

Majluf conducted mass spectrometry analysis of apple juice samples from several brands around the MIT campus, including Maseeh Dining, for an Applied Environmental Toxicology class at Harvard. The analysis was performed with an inductively coupled plasma mass spectrometer. A baseline for deionized water was applied before testing apple juice samples, which were also diluted with DI water.

In addition, Majluf found that a sample of apple juice produced by Florida's Natural Growers had an arsenic level of 11.9 ppb.

Majluf later clarified to the *The Tech* that she had only tested one sample of each apple juice product. She plans on gathering more data and analyzing the results over Thanksgiving.

Kelly MacDonald, district manager for Bon Appetit catering services, requested Tuesday that all five dining halls recalibrate their juice machines. According to Peter Cummings, executive director of the Division of Student Life, the apple juice product was immediately pulled from the machines the same day and replaced with farm-fresh apple

Apple juice, Page 10

TAKEN!

Copies of last week's issue of *The Tech* were apparently removed from their distribution points last week.

Reporters for the paper noticed between 11 p.m. and midnight last Thursday that no copies were available from their usual locations in W20, along the Infinite Corridor, or Building 16. (Copies did remain in Building 56 and Building 66).

Given that the copies delivered earlier that day had so quickly vanished, members of *The Tech* suspect that the papers were likely taken improperly. Copies usually last at least until the weekend.

MIT to redevelop 14-acre Volpe campus

MIT was recently chosen as the partner to redevelop the 14-acre campus in Kendall Square where the U.S. Department of Transportation's Volpe National Transportation Systems Center was housed.

MIT's proposal surpassed those of about six major real estate development firms. It is yet unclear what MIT plans to develop in the area, though MIT has long had an interest in promoting innovation. Developing the area would also provide more housing in an area where it is in high demand.

This is not MIT's first development project in the Kendall Square area. The Volpe redevelopment is among a growing series of projects that MIT is spearheading as part of its Kendall Square renovation initiative. Currently awaiting approval is a separate proposal to build six new buildings on Main Street as offices and housing, totaling $1.2 billion.

Historically, Kendall Square remained a byproduct of industrial development until startups, many related to MIT affiliates, started filling the area. Now the area is notable for its innovation.

Israel Ruiz, MIT's Executive Vice President and Treasurer, notes, "MIT is committed to a vibrant Kendall Square, one of the most significant innovation clusters in the world and an important center of our Cambridge community. Naturally, MIT is interested in the future of the site, given its proximity to campus and the important role it plays in supporting the evolution of the innovative, mixed-use community in Kendall Square."

—Kavya Ravichandran

How to take time off from MIT: use the new 'leave of absence'

New designation, introduced last spring, lets students leave and return with minimal paperwork required

By Katherine Nazemi
EDITOR IN CHIEF

Over 30 students have taken time off from the Institute through the "leave of absence" designation implemented by the Committee on Academic Performance last spring.

These students have left to pursue job opportunities, internships, or just take some time away from MIT. The leave of absence designation means that they can return to the Institute at any time over the next two years with minimal paperwork.

The leave of absence gives students flexibility to take time off for any reason — including work, travel, volunteering, or personal time — with the guarantee that they can return to the Institute when they choose. Students can take at most one leave of absence during their time at MIT, and their leave can last for up to two years.

"The idea behind the leave of absence is that students wanted an easy way to come and go from the Institute, and I think we've created a process that's really simple," David Randall, senior associate dean of student support and

Leave, Page 10

OUR STORIES
Struggle and strength. **CAMPUS LIFE, p. 8**

POPPING THE BUBBLE
MIT's EMTs. **CAMPUS LIFE, p. 8**

BLUNT STATS
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Women's soccer breaks record. **SPORTS, p. 12**

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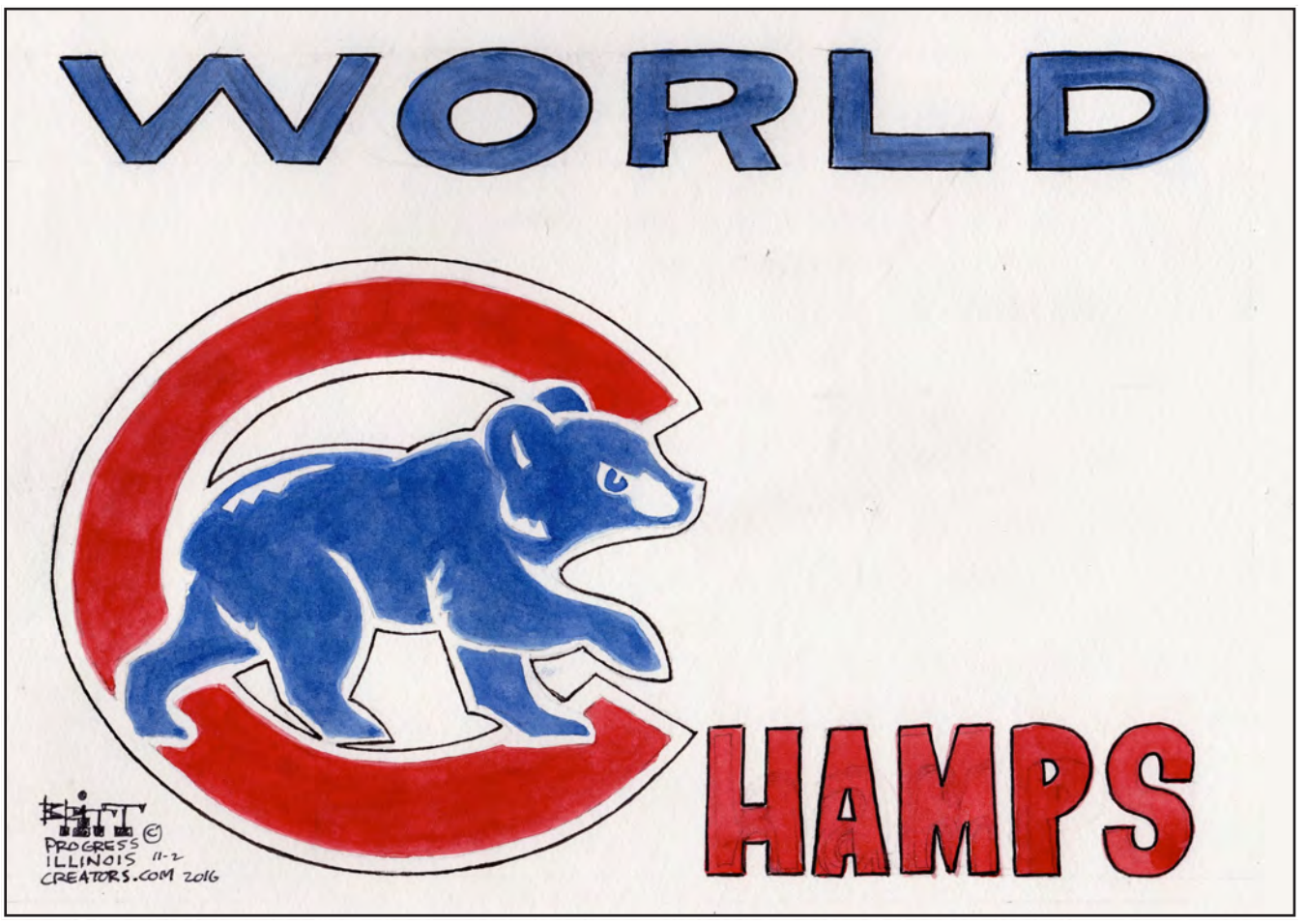

CORRECTIONS

An article last week incorrectly stated that Davi da Silva was a co-president of MIT Democrats. In fact, he is the club's Communications Director.

OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Colleen Madlinger, Editor in Chief Katherine Nazemi, Managing Editor Vivian Hu, Executive Editor William Navarre, and Opinion Editor Claire Lazar.

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How to Paint by Carolyn Stewart

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17 Mesh with a group
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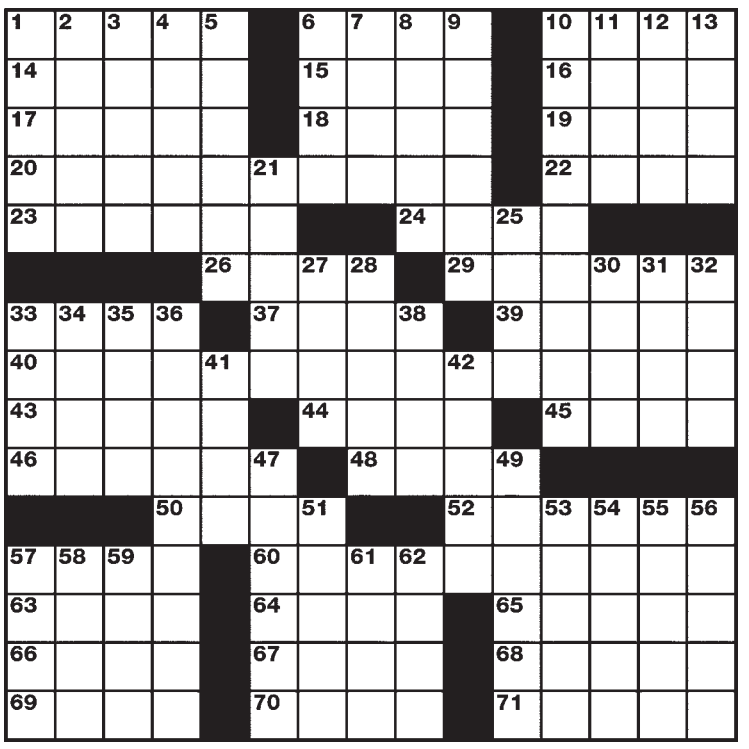

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FUNFUNFUNF

ARTS ARTS ARTS

THEATER REVIEW

Sharply funny comedy, terminal illness, and 17th century poetry take center stage

Wit is an engrossing rumination on life and death

Wit

By Margaret Edson

Directed by John Geoffrion

Starring Liz Adams, Robert Bonotto, Lauren Elias, Tim Hoover, Dayenne C. B. Walters

Performed by the Hub Theatre Company of Boston

First Church in Boston

66 Marlborough Street, Boston

Playing Nov. 17th through Nov. 19th, 2016

By Krystal Lai
STAFF WRITER

The set is sparse and efficient: a single hospital bed at center stage, nondescript blue curtains along the walls, and small tables and wheelchairs that are moved in and out of sight when necessary. Instead of relying on clunky set pieces, the Hub Theatre Company of Boston's production of the Pulitzer Prize winning play *Wit* turns to clever special effects triggered by the manipulation of light and sound. Flashing lights and a familiar *click-whir* sound effect take the place of what might have been an obstructive MRI machine, allowing the actors and their performances, not the set, to shine. With the stage beginning where the front row of the audience ends, the action is up close and personal, which is apt considering how intimate the subject matter is.

The play begins with a sickly, hospital gown-clad Dr. Vivian Bearing (Liz Adams) hobbling onto stage. She looks at the audience and asks casually how they are doing, thus shattering the fourth wall right off the bat. Dr. Bearing provides sharply funny commentary about her life and memories while also playing the role of a first person narrator and guide throughout the story. This unique rapport between actor and audience allows the play to dip in and out of the past and the present with clarity and precision, which lends a welcome complexity to the art form which can occasionally be restricted by temporal linearity. In many of these asides, she addresses the audience directly, as if confiding in a close friend. In fact, in this friendship, there are no secrets. In the first few minutes alone, she gives the viewers a spoiler alert: by the end of the play, she will have died.

Wit follows Dr. Bearing as she struggles to come to terms with a rapidly-spreading form of ovarian cancer and her inevitable death. It is this inescapability of death looming over herself and the audience that brings gravity and emotional weight to the performances on stage. As a professor of 17th century poetry of John Donne, Dr. Bearing has spent her entire life dissecting Donne's poems in an effort to better understand the meaning of life, death, and mortality. But Dr. Bearing quickly learns that no amount of study could have prepared her for the terrifying uncertainty that a fatal disease brings.

ALEX AROYAN

(L-R) Lauren Ellias as Susie and Liz Adams as Vivian in *Wit*.

Liz Adams is spectacular on stage. She successfully imbues each of her lines with mesmerizing perspective and character, giving a performance so committed that she manages to create a nuanced character that can convincingly be witty, solemn, adamant, infuriated, devastated, or flippant. The pain that her illness brings feels palpable, too, and I find myself shrinking in discomfort as I watch her writhing in an agony induced by intensive rounds of chemotherapy. It isn't overdone or overacted. She simply makes Dr. Bearing feel like a real human being.

Beyond the existential struggles of the protagonist, *Wit* also explores the healthcare professionals that surround the terminally ill and their approach to end of life care. Some of the characters seemed little more than broadly drawn caricatures, like Dr. Jason Posner (Tim Hoover), the insensitive fellow who values his research far more than human life, or Susie Monahan (Lauren Elias), the simple-minded yet caring nurse. However, the exaggerated and sometimes one-dimensional characterizations had more to do with the scripted actions and dialogue than with the performances of the actors, which were earnest across the board.

Ultimately, *Wit* is a tour de force of human experience that dares to pose difficult questions about life, death, and the uncertainty of human mortality. Its solemnity and comedy intermix in an intoxicating display of human emotions that successfully keeps the audience laughing, empathizing, and thinking throughout the whole production.

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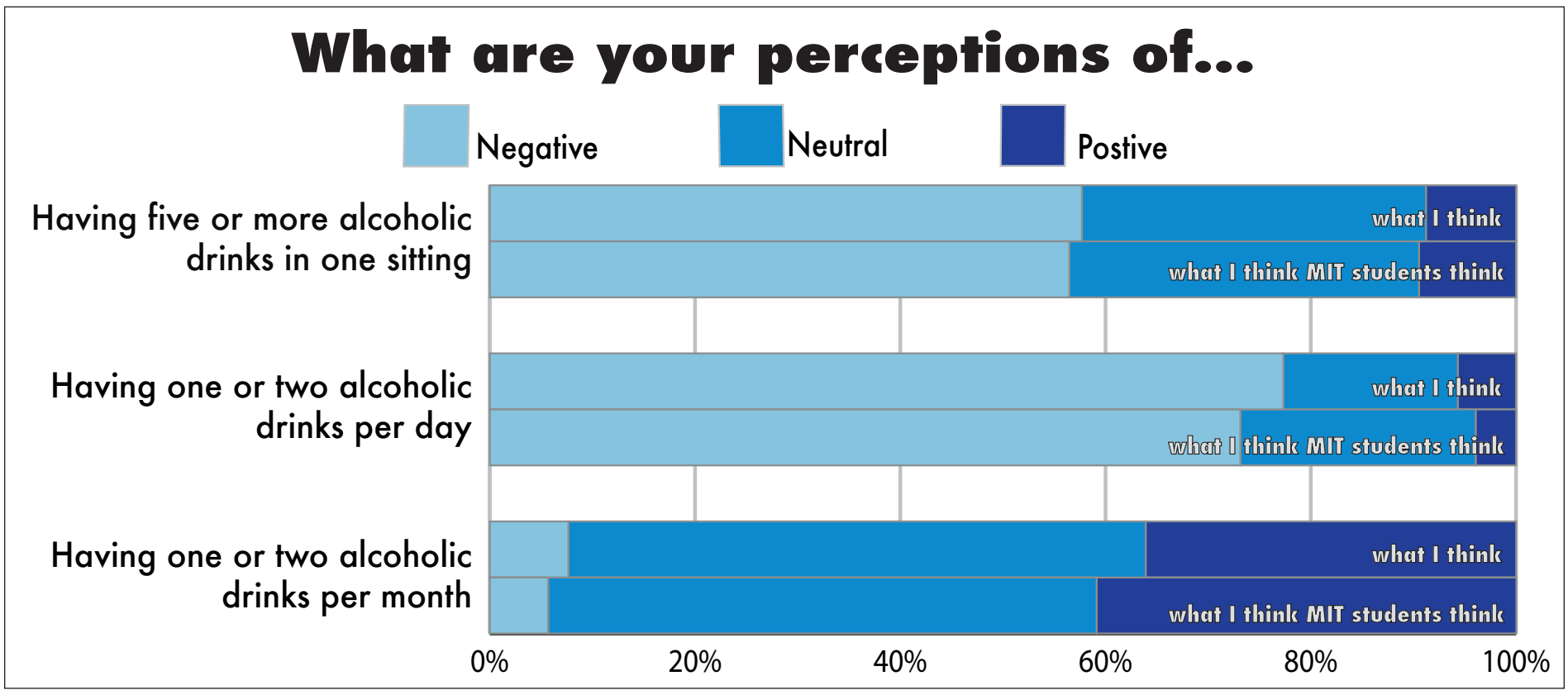
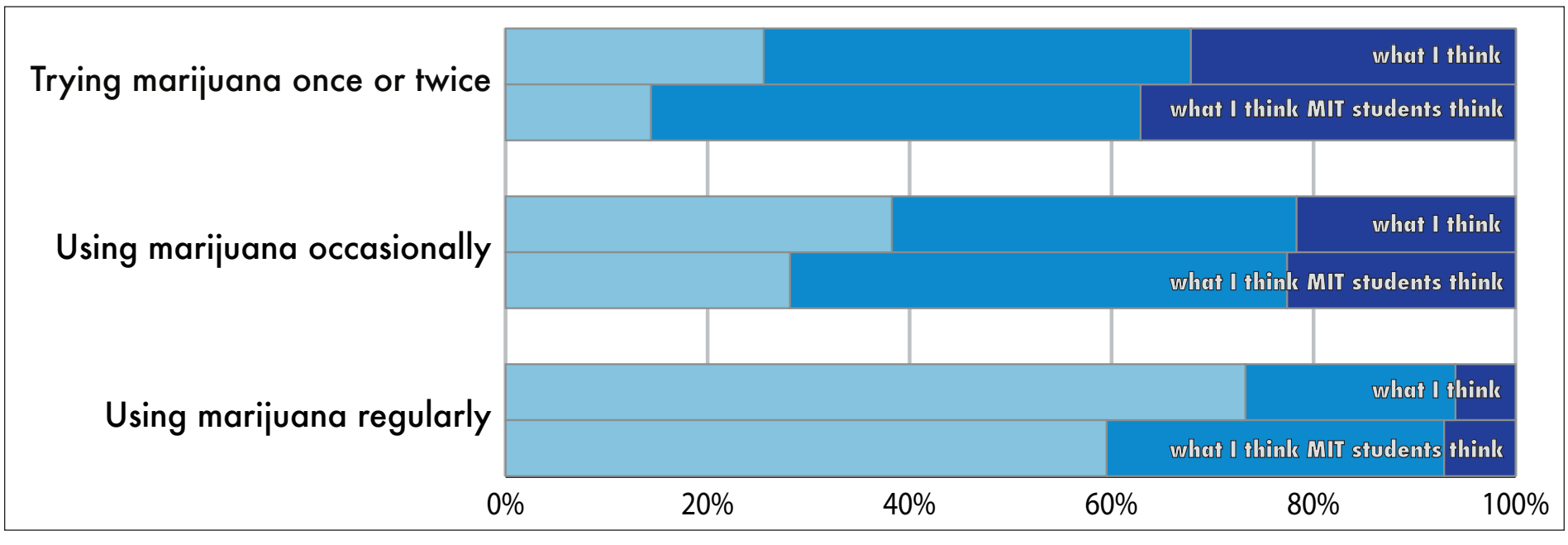
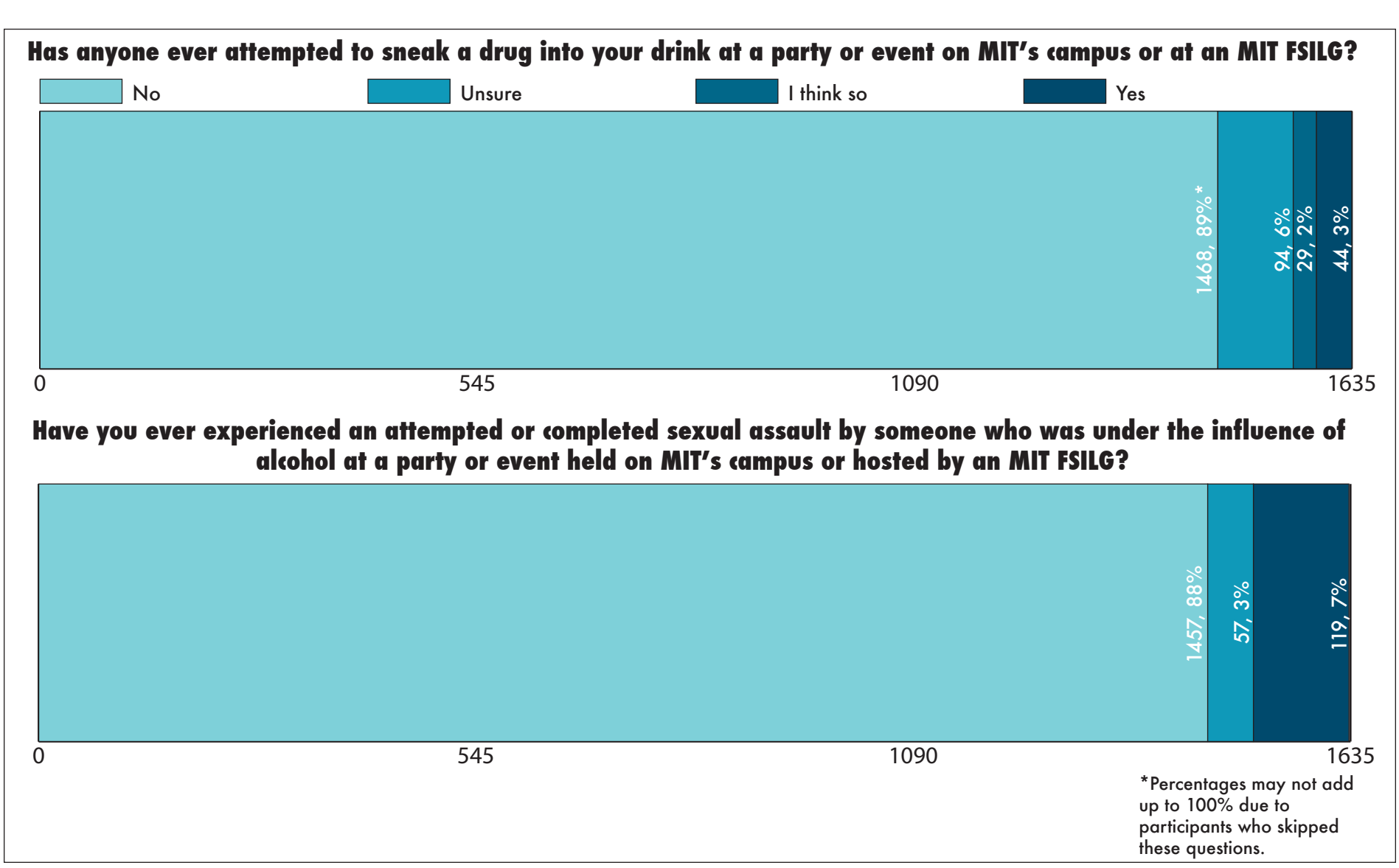
MIT FEDERAL CREDIT UNION

BLUNT STATS:






Has anyone ever attempted to sneak a drug into your drink at a party or event on MIT's campus or at an MIT FSILG?
No
Unsure
I think so
Yes
1468, 89%*
94, 6%
29, 2%
44, 3%
0
545
1090
1635
Have you ever experienced an attempted or completed sexual assault by someone who was under the influence of alcohol at a party or event held on MIT's campus or hosted by an MIT FSILG?
1457, 88%
57, 3%
119, 7%
0
545
1090
1635

*Percentages may not add up to 100% due to participants who skipped these questions.

Drugs at MIT

Most common reported consequences of smoking marijuana, among people who smoke:

Been hurt or injured	8%
Forgot where you were or what you did (blacked out)	2%
Had a hangover	2%

Most common reported consequences of drinking alcohol, among people who drink:

Had a hangover	36%
Forgot where you were or what you did (blacked out)	23%
Missed a class or assignment	12%

BEHIND THE DATA

How we analyzed the alcohol and drug survey

In 2014, *The Tech* sent a survey to undergraduates about their use of alcohol and restricted substances. The story behind this survey is in three acts: administering the survey, analyzing the data, and publishing the results. This article aims to shed some light on the analysis, to ensure adequate transparency and reproducibility. Finally, we want to guarantee to all survey participants that their anonymity has been respected.

Over the summer, we started the long process of transforming the data we gathered into a machine-readable format. This might sound trivial, but the 258 different questions were cryptically labelled, with names such as "p3q27b."

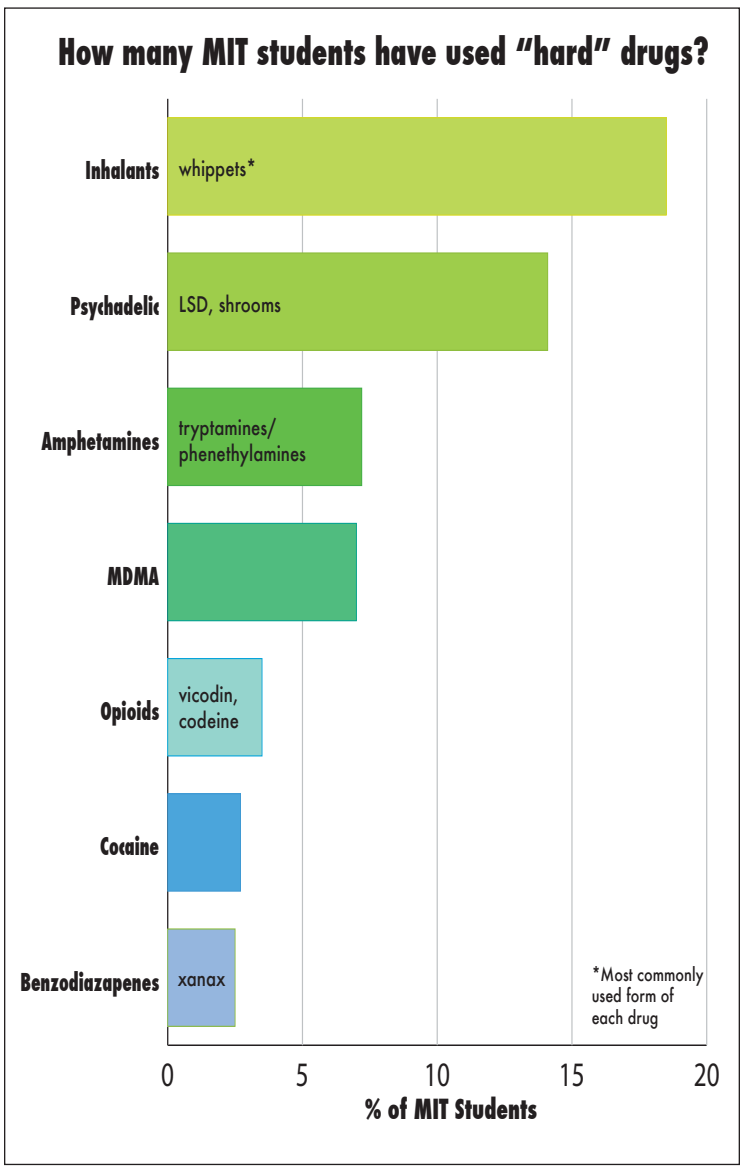
81%

of respondents who answered yes to the question: "Have you ever, even once, had an alcoholic drink while under 21 years of age" while at MIT?

Once we had a single dataset containing every respondent's answers to every question, we were faced with the questions central to any survey analysis: What are we looking for? What is interesting? What do we not know? How do we guarantee anonymity?

Our first concern was that of anonymity: we promised that we would not release any information that would identify "individuals or small groups of individuals." We decided that a group of 10 or larger would be our threshold for sharing data.

Our next objective was to make our analysis as transparent as possible. In order to do that, we created a website which allows anyone to segment the data according to various demographics. We removed highly correlated demographics variables, such as age and semester number, to simplify the user interface.



Under what circumstance do you usually consume alcohol?

At parties	37%
While socializing	35%
At bars	4%
Alone	1%

The sheer number of possible answers to certain survey questions make interpretation difficult. In those cases, we have combined them in broader, more readable categories. For example, the frequency of use of different substances contained eight categories, which were simplified to "daily," "weekly," "monthly," and "in past year."

The final decision we made was to include every question on the website to let readers visually explore the richness of the dataset. Readers will also find a summarized version of the full dataset on the website. Willing readers are encouraged to conduct their own analysis. Contact us at *news@tech.mit.edu* to report any error, ask any question, or suggest any new perspectives.

Finally, all the analysis has been independently verified by *Tech* members who were not involved in the analysis, but were given access to the original survey responses.

—Olivia Brode-Roger

In the twilight zone

My experience with MIT EMS

MIT EMS

Orientation activities midway, 2016. From left: Michael Beautyman, Hannah Rudoltz `18, Harrison Kaplan `19, Amelia Bryan `18, Andrew Tang `17, Aria Shi `18.

By Hannah Rudoltz

The "MIT bubble" is ubiquitous and yet sometimes invisible. Even Cambridge itself can seem like an enclave, the town of the ivory tower. Students look forward to leaving it for trips home and brief jaunts into Boston, but those of us who staff the MIT ambulance live in a sort of twilight zone, half in the bubble and half out.

MIT EMS is not your typical student club. Members volunteer their time to staff our student-designed, award-winning ambulance for at least 49 hours per semester. Each member is certified as a basic EMT both nationally and in Massachusetts, a process that takes a lot of studying and practice. Most new EMTs are certified through our IAP class, which runs from 9 a.m. to 5:30 p.m., five days a week.

In the class, we learn clinical information, like the etiology of certain cardiac problems, in the mornings and practice practical skills in the afternoons. New EMTs work with two superiors so they can get further training and confidence. It's an intense introduction to an atypical path through MIT, where EMTs are expected to be both professionals and students.

MIT EMS exists at the edge of the MIT bubble. We have social events and meetings like most other clubs. The EMTs on the service are often at the center of campus wellness projects, like the new Mind Hand Heart initiative or our current project with Save a Life, Save a Heart (SALSAH) to increase CPR training and stroke awareness on campus. But we also reach out to the community in Cambridge — our ambulance was at The Port Pride Day, and we donated an AED (automated external defibrillator) to the Margaret Fuller House. And though most of the patients we treat are MIT students or affiliates, often with minor medical complaints or injuries, we don't operate as students on our calls: we have to be professionals.

Working on the ambulance can get very real. When Officer Sean Collier was shot in the aftermath of the Boston Marathon bombings, our service responded. We respond to cardiac arrests, car accidents, and severe alcohol intoxication. We respond to suicide attempts and strokes. There is no escaping the reality of human lives outside of MIT's insular culture when you work for MIT EMS.

I personally have had a few calls that completely removed me from the MIT bubble. I once transported a sick newborn, something I hope I never have to do again. It is sometimes hard as an undergraduate to imagine a time when schoolwork might not dominate your life, but a family can. I can't imagine the fear those parents felt as we drove their child to the hospital.

Even that call is not the one I think about the most. I mostly look back on the calls that took me furthest outside the world I know best. One of my first calls on the service was dispatched for "the man down," who turned out to be experiencing a combined opioid and alcohol overdose. We got on scene, and I was immediately overwhelmed by the smell of stale beer and urine. The patient was unresponsive to our attempts to wake him, besides a brief "Who the (expletive) are you?" Immediately concerned with maintaining his airway, I was charged with suctioning vomit out of his mouth and throat.

I thought calls like those would be difficult. I thought the physically messy parts of being an EMT would be hardest — but I was wrong. My unconscious overdose patient did not weigh so much on me as a later patient did. He requested to go to a hospital in the afternoon because he had been drinking since the early morning. The patient was clearly confused and in pain. When asked why he had been drinking, his answer was: "It's just what I do." A myriad of other details about this call were depressing, but that line really got to me. All we could really do was bring this man to the hospital, but he'd only be discharged in a few hours. How do you cope when a patient needs so much more than you can give?

It's easy to keep issues like addiction, homelessness and poverty at arm's length when the ideas are abstract. But because of calls like these, debates in classes like Health Policy or researching candidates' positions on the opioid crisis in New Hampshire can no longer be abstract. These issues are very real — and I'm grateful to EMS for popping the bubble.

November 14-20 is National Collegiate EMS Week. MIT EMS will have a table in Lobby 10 from 10 a.m. to 2 p.m. on Friday, November 18th to answer any of the student body's questions.

OUR STORIES

Lisa Lozano

Editor's Note: Our Stories is a series by Natasha Joglekar, assisted by Andy Trattner, with photography provided by Prof. Daniel Jackson. Each story is a first person narrative of personal struggle and strength.

My mother, brother, and I have always lived under my grandparents' roof. When I was in elementary school, my mom worked at Kmart and at a nursing home, so I rarely saw her. Because of my parents' divorce, the court granted my father visitation on weekends and every other holiday or so. Those years are mostly a blur.

In 2003, when I was in the third grade, my mom developed Guillain-Barre Syndrome and was paralyzed from the neck down. My grandpa also passed away around this time. My brother and I suddenly had many more responsibilities at home: taking more care of our grandma with severe rheumatoid arthritis, helping her dress, cook, and bathe. We also had to take care of our mom, who was bedridden that year. By 2005, my mom had relearned how to walk and had taken on a job as a cafeteria lady at a local high school. My father had given up all custody rights in order to drop the thousands of dollars he owed in child support.

In middle school, there were more expectations at home, but no matter how much I tried to fulfill these expectations, I always failed. My mom was very critical, and no matter what I did around the house, it was never enough. Nothing was enough for her. My grandma was the same way. I remember getting into many arguments at home; my grandma and mom would say I was "lazy," that I didn't care about anyone but myself, or that I was just like my father. I used to wonder whether they were right, but I didn't know what more I could do to win their approval.

Meanwhile, I had a difficult time balancing my pre-AP classes, the math team, band, and my responsibilities at home. I was an awkward student with no close friends, and it was around this time that I started having breakdowns. When I cried at school, my teachers always attributed it to stress and were fairly understanding. When I cried at home, I would muffle my sobbing under a pillow in my room, so my mother and grandmother wouldn't hear and scold me for being "sad."

My brother became my best friend. He didn't understand what was happening to me, and I didn't completely understand either, but he used to do my chores for me when I was crying and tell my family he was helping me out because I was busy studying. When I wasn't crying, I felt empty — worthless, hopeless, and powerless. I used to wish I could sleep forever because I wasn't depressed in my dreams.

In 7th grade, I told one of my teachers, "I don't feel like being alive." I think he told the counselors at our school, and they called my mom in. If she failed to take me to a psychologist, then Child Protective Services would get involved. She would have to leave work to pull me out of school and take me to a psychologist every two to three weeks. On the drives to the clinic, she would remind me that I was the reason she was missing out on hours of work. I felt guilty. Then, I remember my mom crying in one of these sessions and claiming I wasn't helping her out enough around the house. The psychologist was on her side, and that's when I started lying and claiming I felt better at every session until I was cleared. This was my first taste of therapy.

In truth, my depression started to get worse as I entered high school. I hated myself. I felt disgusted with my body and believed everyone else but me deserved to be alive. I was so scared of telling anyone because I didn't believe anyone else would understand. I didn't want to kill myself, but I was comfortable with the idea that someday I would be in the wrong place at the wrong time or that I would be in a freak accident. I knew I wasn't depressed all the time — sometimes, I felt better for a few days or weeks, and those days gave me hope. I kept going because I wanted to live for the days when I didn't have to fake a smile.

Once I got to MIT, I knew I had the opportunity to get the help I had wanted for years. I started going to MIT Mental Health early in my freshman year and was assigned an older psychiatrist and a young psychologist. After the psychiatrist prescribed me the antidepressant Zoloft, I gained 20 pounds, and I didn't feel "depressed" anymore, but I also lost the ability to feel happiness.

I told my psychiatrist I was concerned about my weight gain. She upped the dose. I stopped trusting her, threw out the medication, refused to see a psychiatrist again, and only went to my therapy sessions with the psychologist. It was immensely helpful in many ways. I could talk about my past at home, my worries about my family, my stresses at MIT, and how I felt so stupid in all my classes. It was nice to have someone listen to me and validate the bottled up, residual anger and confusion from home. When the psychologist left, I stopped going to Mental Health altogether in the middle of my sophomore year.

I thought I was "cured," as silly as that sounds. I went from having two to three breakdowns a week to one to two every other week, and my grades were improving. Unfortunately, I started to fall apart again. I started oversleeping and eating way too much. I stopped attending most of my classes, spent my afternoons lying in bed, and shut myself off from my friends at MIT. There finally came a point when I accepted the fact that I needed help — again.

I slumped back to Mental Health during their open hours and met an amazing clinician who suggested another antidepressant: Wellbutrin. This clinician also assigned me to a new psychiatrist and psychologist that I felt comfortable with. Ultimately, Wellbutrin did take a few weeks to kick in, but it was the best thing to ever happen to me. I was better able to control my emotions and energy, and my productivity started to improve. I can't say it's perfect because sometimes I have days when I can't seem to get myself out of bed, times when I slide back into this apathetic mood, and instances when I am overly critical of myself, but for the most part, I feel I finally have a strong grip on my life.

My recovery is an ongoing process. I'm not completely sure why I developed my depression. I want to blame the chemical imbalance of uncooperative neurotransmitters in my head, but I often find myself wondering if it had anything to do with the way I was raised. I try to suppress this thought because maybe my mom was raised that way and didn't know better, or maybe the numerous negative experiences in her life had toughened her up. Maybe there's no one to blame. The question still eats at my mind and is a recurring theme in my therapy sessions at Mental Health. I want to forgive her for not emotionally supporting me all those years, but I don't know how. I want to be close and connected to her like my MIT friends seem to be with their parents, but I become anxious at the mere thought.

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Lisa Lozano

Since entering college, she's not critical of me anymore, and I think she wants to rekindle our relationship. Nevertheless, I haven't provided her that chance because I've closed her out of my life to avoid any potential or accidental triggers from her. I'm scared of ruining the progress I've made thus far, but I acknowledge that sometimes the reason I slip back into a depressive mood is because I begin to think about my past experiences at home. In the future, I want to reconnect with her when I feel mentally capable and ready. I don't know how long that's going to take — a month, six months, another year? Right now, though, I don't think I can do that, and I've learned that it's okay. I'm still a work in progress.

Lisa Lozano is a member of the class of 2017.

There are many ways to find help. Members of the MIT community can access support resources at resources.mit.edu/support. *To access support through MIT Medical's Mental Health & Counseling Service, please call (617) 253-2916 or visit medical.mit.edu.*

If you have a story you'd like to share, contact ourstories@mit.edu

MIT Singapore Students Society

brings you a Singaporean food experience

19 Nov (Sat) 7-9 pm

MIT Sidney Pacific MP Room

$10 tickets sold at door (cash only)

Event sponsored by
LEF/ARCADE

Graduate Student Council

visit http://mitsss.mit.edu/events for more info

MIT will continue to ban marijuana despite passage of question 4

MIT will continue to ban the use of marijuana on campus or at institute-sponsored events, despite the passage of the Massachusetts Marijuana Legalization Initiative last week.

The initiative, also known as Question 4, was supported by 53.57 percent of voters who answered the question on the Massachusetts election ballot.

The new law permits residents over 21 to possess up to 10 ounces of marijuana in their homes and up to one ounce in public. The law also allows residents to grow up to six marijuana plants in their home. The law will take effect Dec. 15.

MIT, however, "must adhere to federal statutes — the Drug-Free Workplace Act and the Drug-Free Schools and Communities Act," Suzy Nelson, vice president of student life, wrote in a statement to The Tech.

The Division of Student Life is "working with the Committee on Student Life and the Mind and Hand Book Policy Review Committee to determine if any clarifications to our current policies are necessary in light of last week's passage of question four in Massachusetts," she added.

—Vivian Zhong

Mailing list confusion caused issues for communication

MITIMCo promises courtyard renovations that make up for space lost due to new transformer

Eastgate, from Page 1

Another resident explained that a lot of the distrust came from the installation of the transformer being news to them, explaining that they felt "railroaded" by this decision. Crowley, on the other hand, was under the impression that the decision had been emailed to the community multiple times.

In a subsequent interview with *The Tech,* Dennis Collins, director of Residential Life for Capital Renewal, blamed this miscommunication on a mailing list confusion: the mailing list that residents most commonly use redirects, or "bounces," messages from non-resident email addresses to a moderator's list. This prompted various officials involved in the decision to send emails to a different, lesser read list.

To many residents this fit into a larger pattern of broken promises and miscommunications from MIT Housing. Residents and administrators both acknowledged previous issues surrounding the now-cancelled installation of air conditioning in the penthouse, persistent problems with the elevators, and a disappointing renovation of the laundry room.

Another resident at the meeting contended that after living in Eastgate for six years, "the communication between Housing and our residents is absolutely horrendous, the track record is very very bad. What has happened with this issue has happened over and over again: we have not been included in any conversation until decisions have been made."

In an email to *The Tech*, Jennifer Marquart, a former resident, offered a different perspective on residents' concerns. Since demand to live in Eastgate is high, housing is assigned through a lottery, forcing Marquart and her husband to move off campus after the summer.

She explained that they currently pay a higher rent, pay their own utilities and how they were not told about construction happening in their building. "I didn't realize how especially nice on-campus living was (even despite some annoyances about elevators and washing machines being not emptied) while I was on campus," she wrote.

Peter Cummings, executive director for administration in the Division of Student Life, attended the meeting at the direct request of Director of Student Life Suzy Nelson. After the meeting, Cummings described the communication issues as "distressing" and attributed this to a combination of the age of the building, which was built in the 1960s, and the lack of strong advocacy for the building.

"Older buildings need a lot more TLC," he said, "and we — housing — should give more emphasis to that than we have in the past where we have treated them all the same." (TLC stands for "tender love and care.")

Cummings added that "for a long time, graduate communities were able to function by themselves." Asked to compare with what would happen in commercial apartments, Cummings speculated that "they would not be getting this level of give and take," before adding that DSL has a duty to Eastgate residents due to their status as MIT students.

Cummings hoped MIT students would get invited in these conversations earlier: "they love to solve problems... When we got to that point in the conversation, that was great! It was brilliant!"

The installation of the transformer near Eastgate will substitute for the loss of another transformer a few buildings away.

In order to make up the lost space, MIT Investment Management Company, the building's owner, is also renovating the courtyard with input from a community committee in what they call "a multiple hundreds of thousands of dollars improvement to the site."

The playground redesign pushes the fence line back and is estimated to cancel out the space loss. The new design will focus on improving the current experience of residents who use the space for barbecues and movie nights, and will be able to accommodate multiple parties at a time.

Mass spec results from juice sample are just preliminary

Arsenic in apple juice is natural, often caused by grinding of seeds

Apple juice, from Page 1

cider.

The apple juice dispenser in McCormick's dining hall was marked as out of order Wednesday morning. No apple cider, however, was to be found.

After contacting MIT Environment Health and Safety, Cummings confirmed to *The Tech* that "the water used by MIT from the City of Cambridge is tested regularly and has an arsenic level significantly lower than the U.S. Environmental Protection Agency's standards for drinking water."

Bon Appetit is currently working with their suppliers to find any potential cause for elevated arsenic levels, checking product quality, delivery, and machine function.

"The arsenic in apple juice is usually caused by the grinding of the seeds when preparing the pulp concentrate because apple seeds tend to have naturally-occurring arsenic," Majluf wrote in an email to Lauren Patterson, general manager of Bon Appetit. "Also, this was a preliminary test with one sample for a class, which means it's hardly evidence for a major issue."

Students can email *foodstuff@mit.edu* with any dining-related questions or concerns.

Leave request form does not take long to complete, submit

S3 can help with financial aid and with canceling campus housing

Leave, from Page 1

wellbeing, said.

Students must declare a leave of absence within ten days of the registration date of the term they would like to take off. A student planning to take spring semester off, for example, would have to declare their intention to do so by Feb. 16.

But once a student has decided to take leave, the rest of the process is straightforward: it entails filling out an online form (available on the S3 website) with a name, course number, and a few other details. The final question (which isn't marked required) asks what the student plans to do on leave. In all, it took this reporter one minute and 14 seconds to fill out the form. Had I pressed 'submit,' I could theoretically be spending the next year away from MIT, doing conceivably anything. Tempting.

In addition to the form, students will also have to make arrangements with the financial aid office and cancel their housing for the semesters away. This can be done in consultation with S3 deans, who can help guide students through the process.

Notably, while consultation with S3 deans is encouraged, approval is not required.

Returning from a leave of absence is similarly straightforward: the form (also online at the S3 website) asks whether the student will be requesting housing in a dorm or an FSILG, and students can fill in a description of what they've done during their leave. Otherwise, it's identical to the leave request form.

To return in the fall semester, the form must be submitted by June 15; that deadline is Nov. 15 to return in the spring semester.

Solution to Crossword

from page 3

D	E	C	A	F	■	G	U	S	T	■	S	H	O	T
E	R	A	S	E	■	A	S	T	I	■	C	O	V	E
F	I	T	I	N	■	S	E	E	D	■	A	P	E	X
O	C	E	A	N	S	P	R	A	Y	■	V	E	N	T
G	A	R	N	E	T	■	■	M	U	L	E	■	■	■
■	■	■	■	L	E	F	T	■	P	E	N	M	E	N
S	P	A	T	■	N	A	I	L	■	A	G	I	L	E
H	I	G	H	R	O	L	L	E	R	P	E	R	K	S
E	S	T	E	E	■	L	E	N	O	■	R	E	S	T
M	A	S	S	E	D	■	S	T	U	B	■	■	■	■
■	■	■	A	L	E	C	■	■	G	L	I	D	E	S
B	E	A	U	■	B	R	U	S	H	A	S	I	D	E
L	A	I	R	■	A	U	R	A	■	S	T	A	G	E
E	C	R	U	■	T	E	N	D	■	T	O	N	E	R
W	H	Y	S	■	E	L	S	E	■	S	O	A	R	S

Got a lot on your mind?

Share some thoughts with us!
Write for Campus Life. *join@tech.mit.edu*

DO YOU WANT TO BE LIKE SHERLOCK HOLMES?
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WEATHER

Sunny and calm locally; first winter storm in U.S.

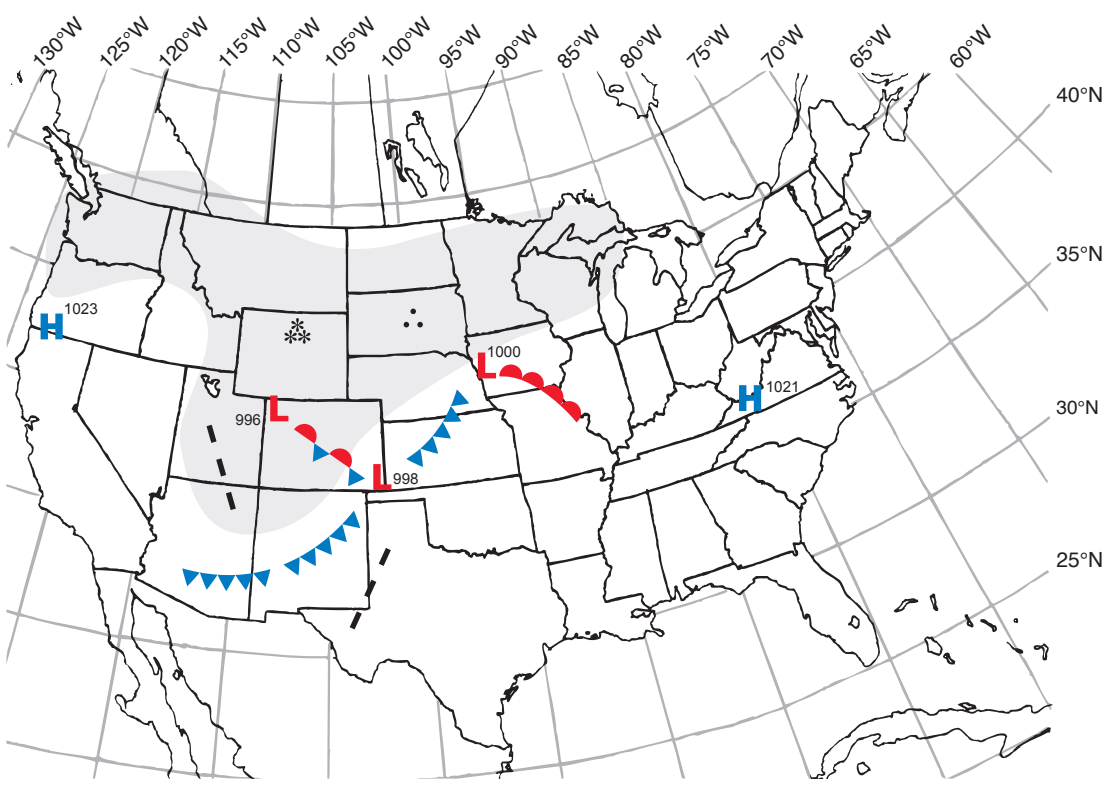
By Jordan Benjamin
STAFF METEOROLOGIST

Clear skies and abundant sunshine will bring moderate temperatures and calm winds to the region through this weekend. High temperatures will remain slightly above normal in the upper 50s in advance of an incoming low pressure system from the west. That system will be this year's first significant winter storm in the continental United States and is poised to bring heavy snowfall and possible blizzard conditions to much of the High Plains and Upper Mississippi Valley. In conjunction, a cold front will sweep across the central and eastern United States, bringing a chance of showers followed by much cooler weather to most locations.

Unfortunately, the system is not expected to bring significant rainfall to the southeastern United States where wildfires continue to burn as an extreme drought intensifies its grip on the region. In the tropics, a weak disturbance is expected to possibly develop into a possible depression over the next few days as it meanders in the western Caribbean Sea, but it is not expected to become a significant threat to land prior to dissipating.

Extended Forecast

Today: Mostly Sunny. High around 58 °F (14 °C). Winds NW at around 10 mph.
Tonight: Mostly Clear. High around 43 °F (6 °C). Winds N at 5-10 mph.
Tomorrow: Sunny. High around 57 °F (44 °C). Low around 44 °F (7 °C). Winds N at 5-10 mph.
Saturday: Sunny. High around 55 °F (15 °C). Low around 45 °F (7 °C). Winds E at around 5 mph.
Sunday: Chance of showers. High around 52 °F (11 °C).



Situation for Noon Eastern Time, Thursday, November 17, 2016

Weather Systems	Weather Fronts	Precipitation Symbols			Other Symbols
			Snow	Rain	
H High Pressure	Trough	Showers	✻ ▽	• ▽	Fog
L Low Pressure	Warm Front	Light	✻	•	Thunderstorm
§ Hurricane	Cold Front	Moderate	✻✻	••	Haze
	Stationary Front	Heavy	⁂	••	

Compiled by MIT Meteorology Staff and *The Tech*

MIT Blood Drive
Sponsored by ARCTAN

Give Life ... Give Blood.

Mon. 11/21, 8am - 6pm
Tue. 11/22, 8am - 6pm

La Sala,
Student Center

For more information or to make an appointment, visit:
http://web.mit.edu/blood-drive/www/

It is MIT policy to allow employees time off with pay to donate blood at the drives that are sponsored on campus.

Blood Drives are sponsored by ARCTAN, MIT's American Red Cross Team and Network.

American Red Cross

Make your morning routine
HEROIC!
You can save lives and earn $40 every time you poop!
www.openbiome.org/stool-donation/

STARR FORUM
The Struggle Against Terrorism
Lessons learned and next steps
TUES, NOV 22
4:30 pm to 6:00 pm
MIT 66-110 Landau Building
SPEAKER:
Sarah Sewall, Under Secretary for Civilian Security, Democracy, and Human Rights
US Department of State
MIT CENTER FOR INTERNATIONAL STUDIES
http://cis.mit.edu | starrforum@mit.edu | free and open to the public

WSOC

Forwards lead the way as women's soccer breaks program record for most wins in one season

By Souparno Ghosh
SPORTS STAFF

The MIT women's soccer team closed out a record-breaking season with 1-0 loss to Middlebury College in the first round of the NCAA playoffs. The Engineers recorded a program-high 17 victories this season, scoring in all but the first and last games of the season. MIT finished runners-up in the New England Women's and Men's Athletic Conference (NEWMAC) tournament after tying for first place in the regular season.

Individually, forward Olivia Struckman '18 won the NEWMAC player of the year award, to cap off a season where she tied for the most goals on the team (eight) in addition to six assists. Goalie Lauren Ullmann '17 set a program record for the most wins (54) in a career.

The Engineers came into the season fired up, following last season's heartbreaking loss via penalty shootout in the NEWMAC tournament semifinals. Things didn't quite go according to plan following a tough 2-1 in loss in double overtime to WPI in the season's first conference game.

"Glad that it happened early on because it brought us closer as a team. We realized we needed to bring a certain amount of energy to each game. We were fighting for each other. We were able overcome that early loss and turn our season around," Struckman reflected on that loss.

The turnaround was quick and ushered in a dominant stretch for the Engineers, where they won seven in a row including six straight shutouts. While an experienced defense anchored by Ullmann between the sticks brought stability to the team, the signature of the team had to be fireworks produced by the "fantastic fourwards" — Struckman, Montana Reilly '20, Emily Berzolla '20, and Amy Apostol '19.

The formidable four were responsible for more than half of the 54 goals the Engineers managed over the course of the season at a rate of 2.25 goals per game.

"It was a lot of fun," Struckman remarked about playing together. "We are very different players with different styles of play. "It's cool that no defense can prepare for one style of play. I haven't seen that much variety of attack on this team in the past."

The one frontier that remained insurmountable for the Engineers was the NEWMAC championship. Nemesis from earlier on in the season, WPI, managed to get the better of MIT once again.

"There is less room for error. You only get one chance. Any team can win — it is just who wants it more," Struckman said, when asked what the team learned from the experience of having played in the knockout tournament.

There will be plenty to look forward to in the coming season as the Engineers look to conquer the final frontier. The "fantastic fourwards" will all be back. Not that the attack needed to be sharper, but Allie Hrabchak '18, the team leader in goals and NEWMAC rookie of the year in 2015 will be back too, having missed significant a portion of this season with injury.

CROSS COUNTRY

Women's and men's cross country teams win regional championships

By Daniel J. Newman
SPORTS STAFF

Both the MIT men's and women's cross country teams won the New England Regional Championship at Westfield State University on Saturday, earning automatic bids to the Division III Cross Country Championships this Saturday in Louisville, Kentucky.

The women's team was led by Megan McCandless '20, who finished second overall and continued her amazing debut season. Leandra Zimmerman '19 and Maryann Gong '17 finished in 11th and 12th place, respectively. Christina Wicker '17 and Mary Eccles '18 rounded out the top five for the Engineers, finishing in 18th and 25th, respectively. The Engineers narrowly edged out Williams and Tufts to take home the championship.

The men's team was spearheaded by the duo of Matthew Deyo '16 and Dennis Maloney '19, as they finished second and fourth overall, respectively. Rory Beyer '17 had a strong race coming back from injury and finished in 13th place. The top five was rounded out by Ben Freed '18 and Daniel Weiss '19 with finishes of 43rd and 48th place.

This gave the Engineers 110 points, which tied Williams for first place. However, the Engineers won the head-to-head via the tie-breaker. Because the first three runners for MIT (2nd, 4th, and 13th) finished ahead of the first three runners for Williams (6th, 12th, and 28th), MIT won the tie-breaker and were crowned champions.

SPORTS BLITZ

Co-ed sailing won the Atlantic Coast championship for the first time in program history. Ty Ingram '18 and Sameena Shaffeeullah '19 placed second in division A while Paige Omura '17 and Trevor Long '19 clinched top spot in division B.

Women's basketball (1-0) got off to a winning start with a 74-61 victory over Endicott College. Maude Gull '19 led the Engineers with 24 points.

Men's basketball (1-0) began its season with a 69-57 victory over Bridewater State. Bradley Jomard '19 led the team in points, rebounds, and assists.

Squash (3-0) swept Bryant and Lehigh to rack up 3 straight sweeps to begin the season.

Solution to Sudoku
from page 3

8	2	6	7	5	3	1	4	9
3	7	5	4	9	1	8	6	2
4	1	9	2	8	6	3	5	7
5	6	4	8	7	9	2	1	3
7	3	2	1	6	5	4	9	8
9	8	1	3	2	4	6	7	5
1	4	7	5	3	8	9	2	6
6	5	8	9	1	2	7	3	4
2	9	3	6	4	7	5	8	1

Solution to Techdoku
from page 3

6	2	5	3	4	1
5	1	4	2	3	6
4	6	3	1	2	5
2	4	1	5	6	3
1	3	6	4	5	2
3	5	2	6	1	4

PING XU—THE TECH

The Triathlon Team celebrated *The Tech*'s anniversary with swim relay 135 laps during the Wednesday practice.

Do you like doodling during class?
Are your psets covered with drawings?
If so, become a Tech Illustrator!

E-mail join@tech.mit.edu

WANTED

sports·writ·er(s)
/ˈspôrts ˌrīdərs/
noun
noun: sports writers
journalists who write about sports.

No prior experience needed! Just an interest in sports. And probably writing.

For more information, please contact **sports@the-tech.mit.edu**